

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L10	4	(rejoin\$5 near3 chat)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/07 14:49
L13	139	(heurist\$6 near9 (topic\$5 interest\$5))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/07 15:27
L15	53	(heurist\$6 near9 (preference))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/07 15:27
L20	2690	((parent child tree hierarch\$9) near3 message\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/07 15:52
L21	47	(((parent child tree hierarch\$9) near3 message\$5) with (organiz\$9)) and ("709"/\$ "707"/\$).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/07 16:00
L24	65	(((parent child tree hierarch\$9) near3 message\$5) with (manag\$9)) and ("709"/\$ "707"/\$).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/07 16:07
L25	2	hierarchical adj list adj message\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/07 16:07
L26	1242	(709/204).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/07 16:24

L27	788	(709/205).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/07 16:24
L28	2285	(709/227).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/07 16:24
L29	9	(26 and 27 and 28) and (chat (instant adj message\$5))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/07 16:25
S1	2	("6484196").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/03 19:21
S2	14	"6484196".uref.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/03 19:23
S3	2	"6484196".uref. and (privat\$6)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/03 19:25
S4	12	(("20010018698") or ("6484196") or ("6433795") or ("6205432") or ("6195685") or ("6144991")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/03 19:26
S5	2153	((text near3 discuss\$9) chat) and (gui (graphical adj user adj interface\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/03 19:33

S6	869	((text near3 discussion\$3) chat) and (gui (graphical adj user adj interface\$3)) and privat\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/03 19:28
S7	390	((text near3 discussion\$3) chat) and (gui (graphical adj user adj interface\$3)) and privat\$5 and ((collect\$5 display\$5 gather\$5) with message\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/03 19:28
S8	96	((text near3 discussion\$3) chat) and (gui (graphical adj user adj interface\$3)) and privat\$5 and ((collect\$5 display\$5 gather\$5) with message\$3) and @ad<"20000114"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/03 19:31
S9	1	((text near3 discussion\$3) chat) and (gui (graphical adj user adj interface\$3)) and (privat\$5 near9 conversat\$6) and ((collect\$5 display\$5 gather\$5) with message\$3) and @ad<"20000114"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/03 19:35
S10	44	S8 and "709"/\$.ccis.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/03 19:31
S11	231	((text near3 discuss\$9) (instant\$6 adj message\$5) chat) and ((continously continue persistent\$5) near9 display\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/03 19:37
S12	50	S11 and @ad<"20000114"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/03 19:37
S13	95	((text near3 discuss\$9) (instant\$6 adj message\$5) chat) and ((continously continue persistent\$5) adj4 display\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/03 19:37

S14	25	S13 and @ad<"20000114"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/03 19:37
S15	38	((past current) near (participant\$5 member\$2)) with (discussion\$5 chat (instant\$3 adj message\$5))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/06 17:00
S16	0	((past and current) near (participant\$5 member\$2)) with (discussion\$5 chat (instant\$3 adj message\$5))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/06 10:45
S17	3	(display\$3 near3 (all every) near3 (member\$3 user\$3 participant\$5)) with (discussion\$5 chat (instant\$3 adj message\$5))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/06 14:46
S18	16	(display\$3 near3 history near9 (member\$3 user\$3 participant\$5)) with (discussion\$5 chat (instant\$3 adj message\$5))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/06 11:43
S19	22	(history near9 (member\$3 user\$3 participant\$5) near9 (discussion\$5 conversat\$5)) with (discussion\$5 chat (instant\$3 adj message\$5))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/06 15:09
S20	5	(jungwon near chang) and chat	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/06 11:46
S21	6	(display\$3 with past near3 messag\$5) with (discussion\$5 chat (instant\$3 adj message\$5))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/06 14:47

S23	1	(social adj accounting\$3) and "709"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/06 16:34
S27	22	((past previous) near (messag\$5 conversat\$9)) with (discussion\$5 chat (instant\$3 adj message\$5))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/06 17:05
S29	5	"6154764".uref.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/06 17:07
S35	61	retriev\$ adj message\$5 adj2 file\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/07 16:22



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Relevance scale

1 Personal distributed computing: the Alto and Ethernet software

Butler Lampson

January 1986 **Proceedings of the ACM Conference on The history of personal workstations**Full text available: [pdf\(3.00 MB\)](#)
 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The personal distributed computing system based on the Alto and the Ethernet was a major effort to make computers help people to think and communicate. The paper describes the complex and diverse collection of software that was built to pursue this goal, ranging from operating systems, programming environments, and communications software to printing and file servers, user interfaces, and applications such as editors, illustrators, and mail systems.

2 The Mesa programming environment

Richard E. Sweet

June 1983 **Proceedings of the ACM SIGPLAN 85 symposium on Language issues in programming environments**, Volume 18 , 20 Issue 6 , 7Full text available: [pdf\(1.48 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

People everywhere are developing multi-window, integrated programming environments for their favorite computers and languages. This paper describes the Mesa programming facilities of the Xerox Development Environment (XDE). It is interesting for several reasons. It has existed in something similar to its current form for about 5 years. It has more than 500 users, many interacting with it 8 or more hours a day. Several million lines of code have been written by these users, including large, ...

3 Answering English questions by computer: a survey

R. F. Simmons

January 1965 **Communications of the ACM**, Volume 8 Issue 1Full text available: [pdf\(2.79 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

4 Enhancing teaching using the Internet: report of the working group on the World Wide Web as an interactive teaching resource

Stephen Hartley, Jill Gerhardt-Powals, David Jones, Colin McCormack, M. Dee Medley, Blaine

Price, Margaret Reek, Marguerite K. Summers

June 1996 **ACM SIGCSE Bulletin , Proceedings of the 1st conference on Integrating technology into computer science education**, Volume 28 Issue SI

Full text available:  pdf(1.26 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

5 Molding diverse people into a unified web: Diversity Database and Diversity Web 

Lida L. Larsen, David Henry

November 1997 **Proceedings of the 25th annual ACM SIGUCCS conference on User services: are you ready?**

Full text available:  pdf(858.13 KB) Additional Information: [full citation](#), [index terms](#)

6 Flexible control of downloaded executable content 

Trent Jaeger, Atul Prakash, Jochen Liedtke, Nayeem Islam

May 1999 **ACM Transactions on Information and System Security (TISSEC)**, Volume 2 Issue 2

Full text available:  pdf(297.79 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

We present a security architecture that enables system and application access control requirements to be enforced on applications composed from downloaded executable content. Downloaded executable content consists of messages downloaded from remote hosts that contain executables that run, upon receipt, on the downloading principal's machine. Unless restricted, this content can perform malicious actions, including accessing its downloading principal's private data and sending messages on th ...

Keywords: access control models, authentication, authorization mechanisms, collaborative systems, role-based access control

7 Domain-independent natural language interfaces: Problems in natural-language interface to DBMS with examples from EUFID 

Marjorie Templeton, John Burger

February 1983 **Proceedings of the first conference on Applied natural language processing**

Full text available:  pdf(1.18 MB)  Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)
[Publisher Site](#)

For five years the End-User Friendly Interface to Data management (EUFID) project team at System Development Corporation worked on the design and implementation of a Natural-Language Interface (NLI) system that was to be independent of both the application and the database management system. In this paper we describe application, natural-language and database management problems involved in NLI development, with specific reference to the EUFID system as an example.

8 Three dimensional visualization of the World Wide Web 

Steve Benford, Ian Taylor, David Brailsford, Boriana Koleva, Mike Craven, Mike Fraser, Gail Reynard, Chris Greenhalgh

December 1999 **ACM Computing Surveys (CSUR)**

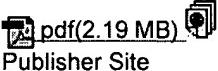
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Special issue on computational phonology: Phonological analysis in typed feature systems

Steven Bird, Ewan Klein

September 1994 **Computational Linguistics**, Volume 20 Issue 3

Full text available:



Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

[Publisher Site](#)

Research on constraint-based grammar frameworks has focused on syntax and semantics largely to the exclusion of phonology. Likewise, current developments in phonology have generally ignored the technical and linguistic innovations available in these frameworks. In this paper we suggest some strategies for reuniting phonology and the rest of grammar in the context of a uniform constraint formalism. We explain why this is a desirable goal, and we present some conservative extensions to current pra ...

10 A system architecture for the extension of structured information spaces by coordinated CSCW services

Peter Manhart

November 1999 **Proceedings of the international ACM SIGGROUP conference on Supporting group work**

Full text available: [pdf\(1.76 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The World Wide Web is an emerging platform for information systems; however established system architectures for web systems focus mainly on the creation and storage of consistent hypermedia information structures and on the efficient distribution of the resulting documents. The interaction between the information users is seldom supported. As many application scenarios profit greatly from human interaction, the paper presents a platform- and application-independent generic system ...

Keywords: CSCW services, group interaction, system architecture, web-based human interaction

11 Java resources for computer science instruction

Joseph Bergin, Thomas L. Naps, Constance G. Bland, Stephen J. Hartley, Mark A. Holliday, Pamela B. Lawhead, John Lewis, Myles F. McNally, Christopher H. Nevison, Cheng Ng, George J. Pothering, Tommi Teräsvirta

December 1998 **Working Group reports of the 3rd annual SIGCSE/SIGCUE ITiCSE conference on Integrating technology into computer science education**

Full text available: [pdf\(107.98 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

12 Java resources for computer science instruction

Joseph Bergin, Thomas L. Naps, Constance G. Bland, Stephen J. Hartley, Mark A. Holliday, Pamela B. Lawhead, John Lewis, Myles F. McNally, Christopher H. Nevison, Cheng Ng, George J. Pothering, Tommi Teräsvirta

December 1998 **ACM SIGCSE Bulletin**, Volume 30 Issue 4

Full text available: [pdf\(2.29 MB\)](#) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

The goal of this working group was to collect, evaluate, and foster the development of resources to serve as components of both new and revised traditional courses that emphasize object-oriented software development using Java. These courses could, for example, integrate Internet-based distributed programming, concurrency, database programming, graphics and visualization, human interface design and object-oriented development. They could therefore also be suitable as capstone courses in computer ...

13 Java resources for computer science instruction

Joseph Bergin, Thomas L. Naps, Constance G. Bland, Stephen J. Hartley, Mark A. Holliday, Pamela B. Lawhead, John Lewis, Myles F. McNally, Christopher H. Nevison, Cheng Ng, George J. Pothering, Tommi Teräsvirta

October 1998 **ACM SIGCUE Outlook**, Volume 26 Issue 4

Full text available:  pdf(2.23 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The goal of this working group was to collect, evaluate, and foster the development of resources to serve as components of both new and revised traditional courses that emphasize object-oriented software development using Java. These courses could, for example, integrate Internet-based distributed programming, concurrency, database programming, graphics and visualization, human interface design and object-oriented development. They could therefore also be suitable as capstone courses in computer ...

14 Query Optimization in Database Systems

Matthias Jarke, Jurgen Koch

June 1984 **ACM Computing Surveys (CSUR)**, Volume 16 Issue 2

Full text available:  pdf(2.84 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

15 Noncollaborative telepresentations come of age

D. James Gemmell, C. Gordon Bell

April 1997 **Communications of the ACM**, Volume 40 Issue 4

Full text available:  pdf(655.73 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#), [review](#)

16 A syntactic approach to discourse semantics

Livia Polanyi, Remko Scha

July 1984

Full text available:  pdf(703.98 KB) Additional Information: [full citation](#), [abstract](#), [citations](#)
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A correct structural analysis of a discourse is a prerequisite for understanding it. This paper sketches the outline of a discourse grammar which acknowledges several different levels of structure. This grammar, the "Dynamic Discourse Model", uses an Augmented Transition Network parsing mechanism to build a representation of the semantics of a discourse in a stepwise fashion, from left to right, on the basis of the semantic representations of the individual clauses which constitute the discourse ...

17 Vocal interface for a man-machine dialog

Dominique Beroule

September 1983 **Proceedings of the first conference on European chapter of the Association for Computational Linguistics**

Full text available:  pdf(378.11 KB) Additional Information: [full citation](#), [abstract](#), [references](#)
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We describe a dialogue-handling module used as an interface between a vocal terminal and a task-oriented device (for instance: a robot manipulating blocks). This module has been specially designed to be implanted on a single board using microprocessor, and inserted into the vocal terminal which already comprises a speech recognition board and a synthesis board. The entire vocal system is at present capable of conducting a real time spoken dialogue with its user.

18 A retrospective on the development of Star

Eric Harslem, LeRoy E. Nelson

September 1982 **Proceedings of the 6th international conference on Software engineering**

Full text available:  [pdf\(747.12 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Star, officially known as the Xerox 8010 Information System, is a workstation for professionals, providing a comprehensive set of capabilities for the office environment. The Star software consists of just over 250,000 lines of code. Its development required 93 work years over a 3.5 year period. The development of Star depended heavily on the use of powerful personal computers connected to a local-area network and on the use of the Mesa language ...

19 Pipeline Architecture

C. V. Ramamoorthy, H. F. Li

January 1977 **ACM Computing Surveys (CSUR)**, Volume 9 Issue 1

Full text available:  [pdf\(3.53 MB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

20 A beam tracing approach to acoustic modeling for interactive virtual environments

Thomas Funkhouser, Ingrid Carlstrom, Gary Elko, Gopal Pingali, Mohan Sondhi, Jim West

July 1998 **Proceedings of the 25th annual conference on Computer graphics and interactive techniques**

Full text available:  [pdf\(325.10 KB\)](#)

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Keywords: acoustic modeling, auralization, beam tracing, spatialized sound, virtual environment systems, virtual reality

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John Colter , Netscape Navigator

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1 [MAPA: a system for inducing and visualizing hierarchy in Websites](#)

David Durand, Paul Kahn

May 1998 **Proceedings of the ninth ACM conference on Hypertext and hypermedia : links, objects, time and space---structure in hypermedia systems: links, objects, time and space---structure in hypermedia systems**

Full text available: [pdf\(1.52 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



2 [4.2BSD and 4.3BSD as examples of the UNIX system](#)

John S. Quarterman, Abraham Silberschatz, James L. Peterson

December 1985 **ACM Computing Surveys (CSUR)**, Volume 17 Issue 4

Full text available: [pdf\(4.07 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)



This paper presents an in-depth examination of the 4.2 Berkeley Software Distribution, Virtual VAX-11 Version (4.2BSD), which is a version of the UNIX Time-Sharing System. There are notes throughout on 4.3BSD, the forthcoming system from the University of California at Berkeley. We trace the historical development of the UNIX system from its conception in 1969 until today, and describe the design principles that have guided this development. We then present the internal data structures and ...



3 [Three reviews of the Minnowbrook 98 conference](#)

Ray Polivka

December 1997 **ACM SIGAPL APL Quote Quad**, Volume 28 Issue 2

Full text available: [pdf\(440.21 KB\)](#) Additional Information: [full citation](#), [index terms](#)

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call "chat-lines." Ralph ... to coalesce, both within the **virtual space** and in ...

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